

Work Order ID 120760

120760

Page 1

June-11-14 7:25:57 AM

Item ID: 647.3704 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: 204, 205, 212, 214 Cable Cutters High
 Start Date: 6/11/14 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 6/11/14 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: MLJ Date: 14-06-11 Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
647.3700	N/C								
100	DOCUMENT CONTROL	0.00							
100									
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 647.3704								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

MLJ 15-01-26

DAS 46 JAN 26 2015

1x

9-89

1

DAS 46 JAN 19 2015

9-89

1x

DAS 46 JAN 26 2015

9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID 120760

June-11-14 7:25:57 AM

120760

Page 2

Item ID: 647.3704

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: 204, 205, 212, 214 Cable Cutters High

Start Date: 6/11/14 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 6/11/14 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP 647.3704								
	Location: _____								
	Sold.								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

(1x)

DAS
46
9-89

JAN 26 2015

7-5
80
2-89

MLC **1501-26**
MF
15-1-26

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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June-11-14 7:26:00 AM

120760

647 3704

Required Date: 6/11/14

Required Qty: 1.00

Comments: IPP REV:A 12.10.26 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
647.3802	DAS 46	Manufactured	No		30	110	Each	0.0000	1	1			DAS
647.3802	9-89								**			120156 MF	9-89
212 Upper Cutter Assy													
647.3804	DAS 46	Manufactured	No		27	110	Each	0.0000	1	1			DAS
647.3804	9-89								**			124114 MF	9-89
Lower Cutter Assy High													
647.4410	DAS 46	Manufactured	No		81	110	Each	6.0000	1	1			DAS
647.4410	9-89								**			114128 MF	9-89
Rail													DAS
													9-89
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Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

Page 2

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Work Order ID: 120760

120760

Parent Item: 647.3704

647 3704

Parent Item Name: 204, 205, 212, 214 Cable Cutters High

Start Date: 6/11/14

Required Date: 6/11/14

Start Qty: 1.00

Required Qty: 1.00

647.4110	Manufactured	No	110	Each	0.0000	<u>1</u>	1	DAS CS 9-89
647 4110	DAS					**		1207427 MF
Doubler	46							
647.4111	Manufactured	No	110	Each	0.0000	<u>1</u>	1	DAS CS 9-89
647 4111	DAS					**		1209671 MF
Doubler	46							
647.4112	Manufactured	No	110	Each	0.0000	<u>1</u>	1	DAS CS 9-89
647 4112	DAS					**		126770 MF
Clip	46							
647.4113	Manufactured	No	110	Each	0.0000	<u>1</u>	1	DAS CS 9-89
647 4113	DAS					**		126771 MF
Clip	46							
647.4114	Manufactured	No	110	Each	0.0000	<u>2</u>	2	DAS CS 9-89
647 4114	DAS					**		120941 MF
Shim	46							
647.4115	Manufactured	No	110	Each	0.0000	<u>2</u>	2	DAS CS 9-89
647 4115	DAS					**		120949 MF
Shim	46							
647.4116	Manufactured	No	110	Each	0.0000	<u>1</u>	1	DAS CS 9-89
647 4116	DAS					**		120748 MF
Shim	46							
647.4210	Manufactured	No	110	Each	0.0000	<u>1</u>	1	DAS CS 9-89
647 4210	DAS					**		120749 MF
Bracket LH	46							
647.4211	Manufactured	No	110	Each	0.0000	<u>1</u>	1	DAS CS 9-89
647 4211	DAS					**		120750 MF
Bracket RH	46							

JAN 20 2015

June-11-14 7:26:00 AM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Page 3

Work Order ID: 120760

120760

Parent Item: 647.3704

647 3704

Parent Item Name: 204, 205, 212, 214 Cable Cutters High

Start Date: 6/11/14

Required Date: 6/11/14

Start Qty: 1.00

Required Qty: 1.00

647.4212	DAS	Purchased	No	110	Each	0.0000	<u>1</u>	1	DAS
647 4212	46						**		1120050 MF 9-89
Plate	9-89								
647.4311	DAS	Manufactured	No	110	Each	0.0000	<u>1</u>	1	DAS
647 4311	46						**		1126398 MF 9-89
RH Lower Strut	9-89								
647.4310	DAS	Manufactured	No	110	Each	0.0000	<u>1</u>	1	DAS
647 4310	46						**		112639.6 MF 9-89
LH Lower Strut	9-89								
647.4312	DAS	Manufactured	No	110	Each	0.0000	<u>1</u>	1	DAS
647 4312	46						**		1126399 MF 9-89
LH Upper Strut	9-89								
647.4313	DAS	Manufactured	No	110	Each	0.0000	<u>1</u>	1	DAS
647 4313	46						**		1126401 MF 9-89
RH Upper Strut	9-89								
NAS1149FN832P	DAS	Purchased	No	110	Each	9,564.000	<u>34</u>	34	DAS
NAS1149FN832P	46						**		1130388 MF 9-89
Washer	9-89								

Location

Loc Qty

Loc Code

ST295
123185
123522
st510
125268

430
30
400
9134
9134

JAN 20 2015

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Page 3

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Page 4

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Parent Item Name: 204, 205, 212, 214 Cable Cutters High

120760

647.3704

Start Date: 6/11/14

Required Date: 6/11/14

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

110

Each

4,600.000

157

157

NAS1149F0332P

Washer

DAS
46
9-89

Location

Loc Qty

Loc Code

GA

205

122063

205

ST295

1745

123900

12

m123185

34

m128401

1699

ST510a

2632

125646

132

m127831

2500

ST522

18

m123185

18

**

131028

DAS
9-89

MS27039-1-07

Purchased

No

110

Each

524.0000

12

12

MS27039-1-07

Screw

DAS
46
9-89

Location

Loc Qty

Loc Code

GA

139

125654

139

ST305

385

m127813

385

**

12

nr

JAN 20 2015

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Shop Packet Print

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID: 120760

120760

Parent Item: 647.3704

647.3704

Parent Item Name: 204, 205, 212, 214 Cable Cutters High

Start Date: 6/11/14

Required Date: 6/11/14

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-10

Purchased

No

110

Each

732.0000

42

42

MS27039-1-10

DAS

46

SCREW

9-89

Location

Loc Qty

Loc Code

ST305

93

m126474

1

m128401

92

ST506

600

m128635

600

st507

39

m127993

39

MS27039-08-08

Purchased

No

110

Each

0.0000

16

16

MS27039-08-08

Screw

DAS

46

MS27039-1-09

Purchased

No

110

Each

665.0000

14

14

MS27039-1-09

Screw

DAS

46

9-89

Location

Loc Qty

Loc Code

FP001

44

18057

44

GA

52

111650

52

ST305

551

122814

1

124859

150

125646

200

125654

200

ST508

18

124093

18

DAS

46

9-89

**

**

**

DAS
9-89

DAS
9-89

DAS
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Design											
Doc/Data											
Equip/Tooling											
Handling/Pre											
Material											
Operator											
Offset/Setup											
Process											
Supplier											
Training											
Transport											
Unapproved											

FAULT CATEGORY				
Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other	

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Work Order ID: 120760

Parent Item: 647.3704

Parent Item Name: 204, 205, 212, 214 Cable Cutters High

120760

647 3704

Start Date: 6/11/14

Required Date: 6/11/14

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-11

Purchased

No

110

Each

477.0000

2 2

MS27039-08-11

SCREW

**

130 358

DAS

CS

9-89

Location

Loc Qty

Loc Code

DAS

46

9-89

ST307

18

123352

18

ST506

459

122441

13

123185

1

123900

88

M128770

357

MS24694-S49

Purchased

No

110

Each

0.0000

1 1

MS24694-S49

Screw

**

129702

DAS

CS

9-89

MS24694-C53

Purchased

No

110

Each

0.0000

8 8

MS24694-C53

Screw

**

129499

DAS

CS

9-89

601.3073

Purchased

No

110

Each

0.0000

1 1

601.3073

Connector

**

M12680

DAS

CS

9-89

AN3-4A

Purchased

No

110

Each

329.0000

3 3

AN3-4A

Bolt

**

129702

DAS

CS

9-89

DAS

46

9-89

Location

Loc Qty

Loc Code

ST350

281

m128429

100

m128739

56

m129163

125

ST511

48

m127044

48

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____ Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID: 120760

120760

Parent Item: 647.3704

647 3704

Parent Item Name: 204, 205, 212, 214 Cable Cutters High

Start Date: 6/11/14

Required Date: 6/11/14

Start Qty: 1.00

Required Qty: 1.00

AN3-11A Purchased No 110 Each 367.0000

AN3-11A

Bolt

DAS
46
9-89

Location

Loc Qty

Loc Code

ST511	357	
123185	10	
123352	16	
m125709	331	
ST525	10	
123185	10	

** 8 8
1300057
DAS
9-89

AN3C10A Purchased No 110 Each 35.0000

AN3C10A

Bolt

DAS
46
9-89

Location

Loc Qty

Loc Code

ST351	35	
123522	10	
m128634	25	

** 2 2
129527
DAS
9-89

CR3212-4-1 Purchased No 110 Each 100.0000

CR3212-4-1

Cherry Rivet

DAS
46
9-89

Location

Loc Qty

Loc Code

ST327	100	
m126410	100	

** 6 6
6
DAS
9-89

CR3212-4-2 Purchased No 110 Each 118.0000

CR3212-4-2

Cherry Rivet

DAS
46
9-89
4-02

Location

Loc Qty

Loc Code

ST327	118	
121090	118	

** 5 5
5
JAN 19 2015
DAS
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design ☐									
Doc/Data ☐									
Equip/Tooling ☐									
Handling/Pre ☐									
Material ☐									
Operator ☐									
Offset/Setup ☐									
Process ☐									
Supplier ☐									
Training ☐									
Transport ☐									
Unapproved ☐									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID: 120760

120760

Parent Item: 647.3704

647.3704

Parent Item Name: 204, 205, 212, 214 Cable Cutters High

Start Date: 6/11/14

Required Date: 6/11/14

Start Qty: 1.00

Required Qty: 1.00

CR3212-4-3 Purchased No 110 Each 300.0000 **17** 17 ****** **714859** **US**
CR3212-4-3 **9-89** **mf**
 Cherry Rivet

DAS
46
 9-89

Location	Loc Qty	Loc Code
ST327	300	
124259	100	
m126320	200	

CR3212-4-4 Purchased No 110 Each 163.0000 **7** 7 ****** **1265347** **US**
CR3212-4-4 **9-89** **mf**
 CHERRY RIVET

DAS
46
 9-89

Location	Loc Qty	Loc Code
ST328	163	
m128062	163	

CCR264SS3-04 Purchased No 110 Each 875.0000 **12** 12 ****** **57** **US**
CCR264SS3-04 **9-89** **mf**
 Rivet

DAS
46
 9-89

Location	Loc Qty	Loc Code
ST327	875	
123185	32	
123352	200	
123785	400	
m128228	43	
m128454	200	

CCR264SS-3-03 Purchased No 110 Each 443.0000 **16** 16 ****** **13973** **US**
CCR264SS-3-03 **9-89** **mf**
 Rivet

3-3 DAS
46
 9-89

Location	Loc Qty	Loc Code
ST327	443	
123185	6	
123785	25	
m126474	12	
m128606	400	

JAN 19 2015
mf
 DAS
46
 9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID: 120760

120760

Parent Item: 647.3704

647 3704

Parent Item Name: 204, 205, 212, 214 Cable Cutters High

Start Date: 6/11/14

Required Date: 6/11/14

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-2

Purchased

No

110

Each

778.0000

31

31

CR3213-4-2 /

Cherry Rivet

DAS
06
9-89

DAS
46
9-89

Location

Loc Qty

Loc Code

ST328

778

123301

492

m123185

38

m126320

248

31

MF

CR3213-4-3

Purchased

No

110

Each

1,013.000

24

24

CR3213-4-3 /

Cherry Rivet

DAS
06
9-89

DAS
46
9-89

Location

Loc Qty

Loc Code

st552

1013

123185

13

123301

1000

24

MF

CR3213-4-4

Purchased

No

110

Each

1,289.000

16

16

CR3213-4-4 /

Rivet

DAS
06
9-89

DAS
46
9-89

Location

Loc Qty

Loc Code

ST328

500

126282

500

ST329

582

123185

7

123301

175

M128401

400

16

MF

st541

7

123185

7

st552

200

M128813

200

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

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Work Order ID: 120760

120760

Parent Item: 647.3704

647.3704

Parent Item Name: 204, 205, 212, 214 Cable Cutters High

Start Date: 6/11/14

Required Date: 6/11/14

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-5

Purchased

No

110

Each

616.0000

28

28

CR3213-4-5

Rivet

**

DAS
46
9-89

Location

Loc Qty

Loc Code

ST553

616

123185

16

123301

600

CR3213-4-8

Purchased

No

110

Each

200.0000

4

4

CR3213-4-8

Rivet

**

DAS
46
9-89

Location

Loc Qty

Loc Code

ST329

200

200

MS21042-3

MS21042L3

Purchased

No

110

Each

1,432.000

79

79

MS21042-3

Nut

**

DAS
46
9-89

Location

Loc Qty

Loc Code

ST313

1432

123185

5

123352

35

M128770

1392

MS21042-08

MS21042L08

Purchased

No

110

Each

14.0000

18

18

MS21042-08

USE MS21042L08

**

DAS
46
9-89

Location

Loc Qty

Loc Code

ST

14

123185

10

123525

4

MS21047L06

Purchased

No

110

Each

0.0000

6

6

MS21047L06

Nut Plate

**

DAS
46
9-89

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JAN 18 2015

DAS
US
9-89

DAS
US
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
--	--	---	--

Picklist Print

June-11-14 7:26:00 AM

Page 11

Work Order ID: 120760

120760

Parent Item: 647.3704

647.3704

Parent Item Name: 204, 205, 212, 214 Cable Cutters High

Start Date: 6/11/14

Required Date: 6/11/14

Start Qty: 1.00

Required Qty: 1.00

MS21047L08

Purchased

No

110

Each

0.0000

[6] 6

**

[1297027] mf

DAS
06
9-89

MS21047L08

Nut Plate

MS21047-3

Purchased

No

110

Each

91.0000

[4] 4

**

[130358] mf

DAS
06
9-89

MS21047-3

Nut Plate

DAS
46
9-89

Location

Loc Qty

Loc Code

ST315

51

123301

1

m129198

50

st507

40

125654

40

MS21071L3

Purchased

No

110

Each

224.0000

[4] 4

**

MS21071L3

ANCHOR NUT

DAS
46
9-89

Location

Loc Qty

Loc Code

ST317

224

114348

50

123301

24

124291

50

125654

100

601.3083

Manufactured

No

110

Each

0.0000

[1] 1

**

[121918] mf

DAS
06
9-89

601.3083

Adhesive Rubber Seal

601.1012

Purchased

No

110

Each

0.0000

[1] 1

**

[129749] mf

DAS
06
9-89

601.1012

Sealant (One 6 oz)

DAS
46
9-89

JAN 19 2015

June-11-14 7:26:00 AM

Shop Packet Print

Page 11

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
--	--	---

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
--	--	---	--

Picklist Print

June-11-14 7:26:00 AM

Work Order ID: 120760

120760

Parent Item: 647.3704

647 3704

Parent Item Name: 204, 205, 212, 214 Cable Cutters High

Start Date: 6/11/14

Required Date: 6/11/14

Start Qty: 1.00

Required Qty: 1.00

601.2045

Purchased

No

110

Each

239.0000

[1]

1

**

(137142)

NC

DAS

65

9-00

601 2045

RTV (LOCTITE 598)

DAS

46

9-89

Location

Loc Qty

Loc Code

ST520

74

m125792

74

ST540

165

125540

66

125637

87

126540

12

JAN 19 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
--	--	---

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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REFERENCE ONLY

JAN 26 2015

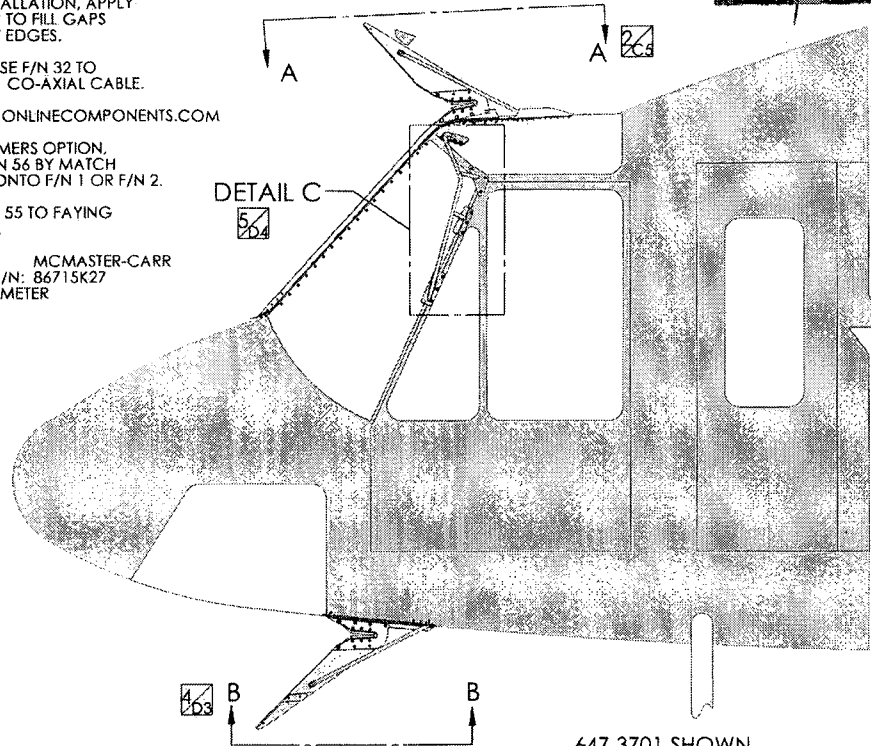
DAS
46
9-89

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UNINCORPORATED ECN(S)

NOTES:

- 1 AFTER INSTALLATION, APPLY
F/N 54 A/R TO FILL GAPS
AND FILLET EDGES.
- 2 IF REQD, USE F/N 32 TO
CONNECT CO-AXIAL CABLE.
- 3 VENDOR : ONLINECOMPONENTS.COM
- 4 AT CUSTOMERS OPTION,
INSTALL F/N 56 BY MATCH
DRILLING ONTO F/N 1 OR F/N 2.
- 5 APPLY F/N 55 TO FAYING
SURFACES.
- 6 VENDOR : MCMMASTER-CARR
VENDOR P/N: 86715K27
60A DUROMETER



REF	REF	REF	REF	56	647.3701	GPS MOUNT KIT		
A/R	A/R	A/R	A/R	55	601.2045	RTV	LOCITE 698	4
A/R	A/R	A/R	A/R	54	601.1012	SEALANT	PR-1428 CLASS 8	5
1	1	1	1	53	601.3083	ADHESIVE RUBBER SEAL	MLR-3065	6
4	4	4	4	52	601.2957	NUTPLATE	MS21047-13	
4	4	4	4	51	600.0795	NUTPLATE	MS21047-3	
6	6	6	6	50	601.3066	NUTPLATE	MS21047-08	
6	6	6	6	49	601.3065	NUTPLATE	MS21047-106	
18	18	18	18	48	601.2973	LOCKNUT	MS21042-08	
79	79	79	79	47	601.2943	LOCKNUT	MS21042-3	
4	4	4	4	46	601.2364	CHERRY RIVET	CR3213-4-8	
28	28	42	42	45	601.1183	CHERRY RIVET	CR3213-4-5	
16	16	19	19	44	601.1915	CHERRY RIVET	CR3213-4-4	
24	24	32	32	43	601.0790	CHERRY RIVET	CR3213-4-3	
31	31	13	13	42	601.1039	CHERRY RIVET	CR3213-4-2	
3702	3703	3702	3701	FIND #	PART #	DESCRIPTION	MATL	SPEC.

REV.	DESCRIPTION	DATE	APPROVED
LAST PROTOTYPE RELEASED: PPL			N/C
N/C	FINAL RELEASE	09-29-09	P. BRAVO

QTY	3704	3703	3702	3701	FIND #	PART #	DESCRIPTION	MATL	SPEC.
16	16	16	16	41	601.2207	NUTPLATE RIVET	CCR20455-500		
12	12	12	12	40	601.2491	NUTPLATE RIVET	CCR20455-504		
27	7	4	4	39	601.1066	CHERRY RIVET	CR3212-3-4		
17	17	17	17	38	601.1065	CHERRY RIVET	CR3212-3-3		
5	5	5	5	37	601.1604	CHERRY RIVET	CR3212-3-2		
6	6	6	6	36	601.3082	CHERRY RIVET	CR3212-2-10		
2	2	2	2	35	601.1874	BOLT	AN3C10A		
8	8	8	8	34	601.2826	BOLT	AN3-11		
3	3	3	3	33	601.2823	BOLT	AN3-4A		
1	1	1	1	32	601.3073	CONNECTOR	(867-444)		
8	8	8	8	31	601.2419	SCREW	MS24694-509		
1	1	1	1	30	601.3070	SCREW	MS24694-509		
2	2	2	2	29	601.2893	SCREW	MS27039-0811		
14	14	14	14	28	601.3069	SCREW	MS27039-1-07		
16	16	16	16	27	601.2263	SCREW	MS27039-0803		
42	42	42	42	26	601.1365	SCREW	MS27039-1-10		
12	12	12	12	25	601.2198	SCREW	MS27039-1-07		
157	157	157	157	24	601.1607	WASHER	NAS1149F0332P2		
34	34	34	34	23	601.2764	WASHER	NAS1149F0332P2		
1	1	1	1	22	647.4313	RH UPPER STRUT			
1	1	1	1	21	647.4312	LH UPPER STRUT			
1	1	1	1	20	647.4310	LH LOWER STRUT			
1	1	1	1	19	647.4311	RH LOWER STRUT			
1	1	1	1	18	647.4212	PLATE			
1	1	1	1	17	647.4211	BRACKET RH			
1	1	1	1	16	647.4210	BRACKET LH			
1	1	1	1	15	647.4116	SHIM			
2	2	2	2	14	647.4115	SHIM			
2	2	2	2	13	647.4114	SHIM			
1	1	1	1	12	647.4113	CLIP			
1	1	1	1	11	647.4112	CLIP			
1	1	1	1	10	647.4111	DOUBLER			
1	1	1	1	9	647.4110	DOUBLER			
1	1	1	1	8	647.4011	WIPER DEFLECTOR LH			
1	1	1	1	7	647.4010	WIPER DEFLECTOR RH			
1	1	1	1	6	647.3915	DEFLECTOR			
1	1	1	1	5	647.4410	RAIL			
1	1	1	1	4	647.3804	LOWER CUTTER ASSY HIGH			
1	1	1	1	3	647.3803	LOWER CUTTER ASSY LOW			
1	1	1	1	2	647.3802	212 UPPER CUTTER ASSY HIGH			
1	1	1	1	1	647.3801	412 UPPER CUTTER ASSY			
					647.3704	204, 205, 212 CABLE CUTTERS KIT HIGH			
					647.3703	204, 205, 212 CABLE CUTTERS KIT LOW			
					647.3702	412 CABLE CUTTERS KIT HIGH			
					647.3701	412 CABLE CUTTERS KIT LOW			

NEXT ASSY (S)

PARTS LIST

ORIGINAL DATE: 09-29-09
DRAWN BY: J. JACKSON
CHECKED BY: D. BARNER
DESIGNED BY: P. BRAVO
CONTRACT NO:

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

412 CABLE CUTTERS KIT

REV. N/C
SCALE: NONE
SHEET 1 OF 5